

Table H. - Engineering Index Properties

Spotsylvania County, Virginia

Absence of an entry indicates that the data were not estimated.

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------------------------------------------|-------------------|-------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 1B: Abell | 0-12 | Fine Sandy Loam Loam Sandy Loam | SC-SM SM | A-2 A-4 | 0 | 0 | 90-100 | 80-100 | 48-95 | 24-75 | 12-23 | NP-6 |
| | 12-47 | Sandy Clay Loam Sandy Loam Clay Loam | CL CL-ML SC | A-2 A-4 A-6 | 0 | 0 | 90-100 | 85-100 | 51-100 | 26-80 | 23-38 | 6-14 |
| | 47-62 | Clay Sandy Clay Loam Silty Clay Loam Clay Loam | CL SC | A-6 A-7 | 0 | 0-8 | 90-100 | 80-100 | 64-100 | 28-95 | 30-48 | 10-20 |
| | 62-75 | Loam Sandy Loam | ML SC-SM SM | A-2 A-4 | 0 | 0-8 | 90-100 | 80-100 | 48-95 | 24-75 | 16-31 | 2-10 |
| Appling | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Cecil | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Partlow | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

2B:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------------------------------------------------------|----------------------|------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 2B: | | | | | | | | | | | | |
| Altavista | 0-11 | Fine Sandy Loam Loam Sandy Loam | CL-ML ML SC-SM | A-2 A-4 | 0 | 0 | 95-100 | 93-100 | 55-95 | 27-75 | 16-29 | 2-9 |
| | 11-52 | Clay Loam Loam Sandy Clay Loam | CL CL-ML SC | A-4 A-6 | 0 | 0 | 95-100 | 93-100 | 74-100 | 32-80 | 23-38 | 6-14 |
| | 52-79 | Stratified Sand To Very Gravelly Clay Gravelly Loamy Sand | SC-SM SM | A-1 | 0 | 0 | 45-100 | 35-100 | 18-100 | 2-95 | 9-48 | NP-20 |
| Wickham | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Aquults | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 3B: | | | | | | | | | | | | |
| Appling | 0-9 | Sandy Loam Fine Sandy Loam Coarse Sandy Loam | SC-SM SM | A-2 | 0 | 0-8 | 90-100 | 85-100 | 35-85 | 3-55 | 9-20 | NP-2 |
| | 9-47 | Sandy Clay Clay Clay Loam | ML | A-4 A-7 | 0 | 0-8 | 90-100 | 85-100 | 76-100 | 60-95 | 31-49 | 5-12 |
| | 47-79 | Sandy Clay Loam Sandy Loam | SM | A-2 | 0 | 0-8 | 90-100 | 80-100 | 48-90 | 24-55 | 13-27 | NP-4 |
| Abell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Colfax | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Louisburg | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 3B: Spotsylvania | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 4C2: Appling | 0-9 | Fine Sandy Loam | SC-SM | A-2 | 0 | 0-8 | 90-100 | 85-100 | 35-85 | 3-55 | 9-20 | NP-2 |
| | | Coarse Sandy Loam | SM | | | | | | | | | |
| | 9-47 | Sandy Loam | | | | | | | | | | |
| | | Clay | ML | A-4 | 0 | 0-8 | 90-100 | 85-100 | 76-100 | 60-95 | 31-49 | 5-12 |
| | | Sandy Clay | | A-7 | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | 47-79 | Sandy Loam | SM | A-2 | 0 | 0-8 | 90-100 | 80-100 | 48-90 | 24-55 | 13-27 | NP-4 |
| | | Sandy Clay Loam | | | | | | | | | | |
| Wedowee | 0-6 | Sandy Clay Loam | SC-SM | A-2 | 0 | 0 | 90-100 | 88-100 | 53-90 | 26-80 | 9-24 | NP-3 |
| | | Loam | SM | A-2-4 | | | | | | | | |
| | | Sandy Loam | | A-4 | | | | | | | | |
| | 6-33 | Sandy Clay | ML | A-4 | 0 | 0 | 90-100 | 88-100 | 71-100 | 31-95 | 24-49 | 3-12 |
| | | Sandy Clay Loam | | A-6 | | | | | | | | |
| | | Clay | | A-7 | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 33-75 | Sandy Loam | ML | A-2 | 0 | 0 | 90-100 | 88-100 | 53-100 | 27-80 | 16-34 | NP-7 |
| | | Clay Loam | SC-SM | A-4 | | | | | | | | |
| | | Loam | | | | | | | | | | |
| Colfax | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Louisburg | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Partlow | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

4D2:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 4D2: | | | | | | | | | | | | |
| Appling | 0-9 | Sandy Loam | SC-SM | A-2 | 0 | 0-8 | 90-100 | 85-100 | 35-85 | 3-55 | 9-20 | NP-2 |
| | | Fine Sandy Loam | SM | | | | | | | | | |
| | | Coarse Sandy Loam | | | | | | | | | | |
| | 9-47 | Clay | ML | A-4 | 0 | 0-8 | 90-100 | 85-100 | 76-100 | 60-95 | 31-49 | 5-12 |
| | | Clay Loam | | A-7 | | | | | | | | |
| | | Sandy Clay | | | | | | | | | | |
| | 47-79 | Sandy Loam | SM | A-2 | 0 | 0-8 | 90-100 | 80-100 | 48-90 | 24-55 | 13-27 | NP-4 |
| | | Sandy Clay Loam | | | | | | | | | | |
| Wedowee | 0-6 | Sandy Clay Loam | SC-SM | A-2 | 0 | 0 | 90-100 | 88-100 | 53-90 | 26-80 | 9-24 | NP-3 |
| | | Loam | SM | A-2-4 | | | | | | | | |
| | | Sandy Loam | | A-4 | | | | | | | | |
| | 6-33 | Sandy Clay Loam | ML | A-4 | 0 | 0 | 90-100 | 88-100 | 71-100 | 31-95 | 24-49 | 3-12 |
| | | Loam | | A-6 | | | | | | | | |
| | | Clay | | A-7 | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | | Sandy Clay | | | | | | | | | | |
| | 33-75 | Clay Loam | ML | A-2 | 0 | 0 | 90-100 | 88-100 | 53-100 | 27-80 | 16-34 | NP-7 |
| | | Loam | SC-SM | A-4 | | | | | | | | |
| | | Sandy Loam | | | | | | | | | | |
| Louisburg | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Partlow | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

5:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------------------------------------------------------------|----------------------------------|--------------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 5: | | | | | | | | | | | | |
| Aquults | 0-10 | Fine Sandy Loam Loam | CL | A-6 | 0 | 0 | 99-100 | 98-100 | 60-95 | 30-75 | 21-43 | 6-17 |
| | 10-50 | Sandy Clay Loam Sandy Loam Clay Loam | CL SC SC-SM | A-2 A-6 A-7 | 0 | 0 | 99-100 | 98-100 | 60-100 | 30-80 | 27-44 | 12-25 |
| | 50-72 | Gravelly Sand Clay | CH CL CL-ML SC SC-SM | A-2 A-4 A-6 A-7 | 0 | 0 | 60-100 | 50-100 | 25-100 | 2-95 | 0-57 | NP-36 |
| Faceville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 6: | | | | | | | | | | | | |
| Aquults | 0-9 | Loam Silt Loam | CL | A-6 | 0 | 0 | 99-100 | 98-100 | 85-100 | 60-90 | 21-43 | 6-17 |
| | 9-45 | Sandy Clay Loam Sandy Loam Clay | CL SC SC-SM | A-2 A-6 | 0 | 0 | 99-100 | 98-100 | 60-100 | 30-95 | 27-53 | 12-32 |
| | 45-72 | Gravelly Sandy Loam Loamy Sand Very Gravelly Sandy Loam Sand | SC SC-SM | A-1 A-2 | 0 | 0 | 40-100 | 30-100 | 15-75 | 2-30 | 0-27 | NP-10 |
| Altavista | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Wickham | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

7B:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 7B: | | | | | | | | | | | | |
| Aquults | 0-9 | Loam | CL | A-6 | 0 | 0 | 99-100 | 98-100 | 59-95 | 29-75 | 21-43 | 6-17 |
| | | Fine Sandy Loam | | | | | | | | | | |
| | | Sandy Loam | | | | | | | | | | |
| | 9-53 | Sandy Loam | CL | A-2 | 0 | 0 | 99-100 | 98-100 | 59-100 | 29-80 | 27-44 | 12-25 |
| | | Clay Loam | SC | A-6 | | | | | | | | |
| | | Sandy Clay Loam | SC-SM | A-7 | | | | | | | | |
| | 53-72 | Fine Sandy Loam | CL | A-2 | 0 | 0 | 99-100 | 98-100 | 59-90 | 29-55 | 18-40 | 3-21 |
| | | Sandy Clay Loam | CL-ML | A-4 | | | | | | | | |
| | | Sandy Loam | SC | A-6 | | | | | | | | |
| | | | SC-SM | | | | | | | | | |
| Margo | 0-9 | Silt Loam | CL | A-4 | 0 | 0 | 95-100 | 93-100 | 78-100 | 55-90 | 12-31 | NP-10 |
| | | Loam | CL-ML | | | | | | | | | |
| | | | ML | | | | | | | | | |
| | 9-42 | Loam | CL | A-4 | 0 | 0 | 95-100 | 93-100 | 78-100 | 55-95 | 23-43 | 6-17 |
| | | Clay Loam | CL-ML | A-5 | | | | | | | | |
| | | Silt Loam | | A-6 | | | | | | | | |
| | | Silty Clay Loam | | A-7 | | | | | | | | |
| | 42-45 | Gravelly Silty Clay Loam | CL | A-2 | 0 | 0 | 60-85 | 50-75 | 42-75 | 30-71 | 12-43 | NP-17 |
| | | Gravelly Loam | CL-ML | A-4 | | | | | | | | |
| | | Gravelly Clay Loam | SC | A-6 | | | | | | | | |
| | | Gravelly Silt Loam | SC-SM | A-7 | | | | | | | | |
| | 45-60 | Sandy Loam | CL | A-2 | 0 | 0 | 95-100 | 93-100 | 55-95 | 27-75 | 12-31 | NP-10 |
| | | Loam | CL-ML | A-4 | | | | | | | | |
| | | | SC | | | | | | | | | |
| | | | SC-SM | | | | | | | | | |
| Brockroad | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| LaRoque | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------------------------------------------|----------------------|-------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 7B: | | | | | | | | | | | | |
| Toddstav | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 8B: | | | | | | | | | | | | |
| Bama | 0-14 | Fine Sandy Loam Loam Sandy Loam | CL-ML SC SC-SM | A-2 A-4 SM | 0 | 0 | 90-100 | 85-100 | 51-95 | 26-75 | 13-27 | NP-8 |
| | 14-68 | Fine Sandy Loam Loam Clay Loam Sandy Clay Loam | CL-ML SC SC-SM | A-4 A-6 | 0 | 0 | 90-100 | 85-100 | 60-100 | 34-80 | 23-36 | 6-13 |
| | 68-79 | Clay Loam Loam Sandy Clay Loam Sandy Loam | CL SC | A-2 A-4 A-6 | 0 | 0 | 80-100 | 70-100 | 42-100 | 21-80 | 20-43 | 4-14 |
| Emporia | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Kempsville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

8C:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------------------------------------------|----------------------|-------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 8C: | | | | | | | | | | | | |
| Bama | 0-14 | Fine Sandy Loam Loam Sandy Loam | CL-ML SC SC-SM | A-2 A-4 | 0 | 0 | 90-100 | 85-100 | 51-95 | 26-75 | 13-27 | NP-8 |
| | 14-68 | Sandy Clay Loam Loam Fine Sandy Loam Clay Loam | CL-ML SC SC-SM | A-4 A-6 | 0 | 0 | 90-100 | 85-100 | 60-100 | 34-80 | 23-36 | 6-13 |
| | 68-79 | Clay Loam Sandy Clay Loam Sandy Loam Loam | CL SC | A-2 A-4 A-6 | 0 | 0 | 80-100 | 70-100 | 42-100 | 21-80 | 20-43 | 4-14 |
| Emporia | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Kempsville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 9B: | | | | | | | | | | | | |
| Brockroad | 0-9 | Loam Silt Loam | CL CL-ML | A-4 | 0 | 0 | 85-100 | 80-100 | 68-100 | 48-90 | 16-31 | 2-10 |
| | 9-43 | Clay Clay Loam Silty Clay Loam Silty Clay | CH MH | A-7 | 0 | 0-8 | 90-100 | 85-100 | 76-100 | 60-95 | 34-70 | 12-32 |
| | 43-75 | Silty Clay Clay Clay Loam Silty Clay Loam | CH CL MH ML | A-6 A-7 | 0 | 0-15 | 85-100 | 80-100 | 72-100 | 56-95 | 25-56 | 7-24 |
| | 75-79 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|------------------------------------------------------------------|-------------------|-------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 9B: | | | | | | | | | | | | |
| Catharpin | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Toddstav | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 10: | | | | | | | | | | | | |
| Cartecay | 0-11 | Sandy Loam Loam Silt Loam Fine Sandy Loam Loamy Sand | SM | A-2 A-4 | 0 | 0 | 95-100 | 93-100 | 46-100 | 14-90 | 12-24 | NP-6 |
| | 11-38 | Sandy Loam Sand Loamy Sand Loam Fine Sandy Loam | SC-SM SM SM | A-2 A-4 | 0 | 0 | 90-100 | 75-100 | 38-85 | 4-55 | 9-23 | NP-6 |
| | 38-79 | Gravelly Sandy Loam Sandy Loam Loam Very Gravelly Sand | SM SP-SM | A-1 A-2 A-3 | 0 | 0 | 50-100 | 35-100 | 18-85 | 2-55 | 9-21 | NP-5 |
| Abell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Toccoa | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Wickham | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

11B:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------------------|----------------|--------|---------------|----------------|------------------------------|-------|-------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 11B: | | | | | | | | | | | | |
| Catharpin | 0-9 | Loam | CL | A-4 | 0 | 0-5 | 90-99 | 80-98 | 68-98 | 48-95 | 23-34 | 6-12 |
| | | Silty Clay Loam | CL-ML | A-6 | | | | | | | | |
| | | Silt Loam | SC-SM | | | | | | | | | |
| | 9-54 | Silty Clay | CH | A-7 | 0 | 0-5 | 90-99 | 80-98 | 72-98 | 56-95 | 34-74 | 12-34 |
| | | Clay Loam | CL | | | | | | | | | |
| | | Silty Clay Loam | MH | | | | | | | | | |
| | | Clay | | | | | | | | | | |
| | 54-76 | Silty Clay | CH | A-7 | 0 | 0-10 | 60-99 | 50-98 | 45-98 | 35-95 | 34-70 | 12-32 |
| | | Clay | CL | | | | | | | | | |
| | | Gravelly Clay | MH | | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | 76-79 | Fine Sandy Loam | SC-SM | A-4 | 0 | 8-22 | 60-99 | 50-98 | 25-98 | 2-88 | 9-30 | NP-10 |
| | | Gravelly Sandy Loam | | | | | | | | | | |
| | | Gravelly Sand | | | | | | | | | | |
| | | Silt Loam | | | | | | | | | | |
| | | Sandy Loam | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | | Gravelly Loam | | | | | | | | | | |
| | | Gravelly Silt Loam | | | | | | | | | | |
| | | Sand | | | | | | | | | | |
| | | Loamy Sand | | | | | | | | | | |
| | | Gravelly Fine Sandy Loam | | | | | | | | | | |
| Brockroad | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Margo | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Toddstav | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

12B:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 12B: | | | | | | | | | | | | |
| Cecil | 0-13 | Sandy Clay Loam | ML | A-2 | 0 | 0 | 90-100 | 85-100 | 51-100 | 26-80 | 9-27 | NP-4 |
| | | Sandy Loam | SC-SM | A-4 | | | | | | | | |
| | | Loam | SM | | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | | Fine Sandy Loam | | | | | | | | | | |
| | 13-46 | Clay | ML | A-4 | 0 | 0-5 | 90-100 | 85-100 | 76-100 | 60-95 | 31-56 | 5-15 |
| | | Clay Loam | | A-6 | | | | | | | | |
| | 46-74 | Loam | ML | A-4 | 0 | 0-5 | 90-100 | 85-100 | 51-95 | 26-75 | 13-31 | NP-5 |
| | | Sandy Clay Loam | | | | | | | | | | |
| | | Sandy Loam | | | | | | | | | | |
| Abell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Colfax | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Louisburg | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 13C2: | | | | | | | | | | | | |
| Cecil | 0-13 | Clay Loam | ML | A-2 | 0 | 0 | 90-100 | 85-100 | 51-100 | 26-80 | 9-27 | NP-4 |
| | | Sandy Loam | SC-SM | A-4 | | | | | | | | |
| | | Sandy Clay Loam | SM | | | | | | | | | |
| | | Fine Sandy Loam | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 13-46 | Clay Loam | ML | A-4 | 0 | 0-5 | 90-100 | 85-100 | 76-100 | 60-95 | 31-56 | 5-15 |
| | | Clay | | A-6 | | | | | | | | |
| | 46-74 | Loam | ML | A-4 | 0 | 0-5 | 90-100 | 85-100 | 51-95 | 26-75 | 13-31 | NP-5 |
| | | Sandy Loam | | | | | | | | | | |
| | | Sandy Clay Loam | | | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------------------------------------------------------------|-------------------|-------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 13C2: Pacolet | 0-7 | Sandy Loam Sandy Clay Loam Fine Sandy Loam | SC-SM SM | A-4 | 0 | 0-1 | 85-100 | 80-100 | 48-90 | 24-55 | 14-31 | NP-5 |
| | 7-27 | Clay Loam Clay | MH ML | A-5 A-6 A-7 | 0 | 0-1 | 95-100 | 93-100 | 83-100 | 64-95 | 27-52 | 4-13 |
| | 27-64 | Clay Loam Loam Sandy Loam Sandy Clay Loam | ML SC-SM SM | A-2-4 A-4 | 0 | 0-3 | 85-100 | 80-100 | 48-100 | 24-80 | 13-31 | NP-5 |
| Abell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Colfax | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Louisburg | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Partlow | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 13D2: Cecil | 0-13 | Clay Loam Loam Sandy Clay Loam Fine Sandy Loam Sandy Loam | ML SC-SM SM | A-2 A-4 | 0 | 0 | 90-100 | 85-100 | 51-100 | 26-80 | 9-27 | NP-4 |
| | 13-46 | Clay Clay Loam | ML | A-4 A-6 | 0 | 0-5 | 90-100 | 85-100 | 76-100 | 60-95 | 31-56 | 5-15 |
| | 46-74 | Loam Sandy Loam Sandy Clay Loam | ML | A-4 | 0 | 0-5 | 90-100 | 85-100 | 51-95 | 26-75 | 13-31 | NP-5 |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 13D2: | | | | | | | | | | | | |
| Pacolet | 0-7 | Sandy Clay Loam | SC-SM | A-4 | 0 | 0-1 | 85-100 | 80-100 | 48-90 | 24-55 | 14-31 | NP-5 |
| | | Sandy Loam | SM | | | | | | | | | |
| | | Fine Sandy Loam | | | | | | | | | | |
| | 7-27 | Clay | MH | A-5 | 0 | 0-1 | 95-100 | 93-100 | 83-100 | 64-95 | 27-52 | 4-13 |
| | | Clay Loam | ML | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |
| | 27-64 | Clay Loam | ML | A-2-4 | 0 | 0-3 | 85-100 | 80-100 | 48-100 | 24-80 | 13-31 | NP-5 |
| | | Sandy Clay Loam | SC-SM | A-4 | | | | | | | | |
| | | Loam | SM | | | | | | | | | |
| | | Sandy Loam | | | | | | | | | | |
| Abell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Louisburg | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Partlow | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

14B:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 14B: | | | | | | | | | | | | |
| Colfax | 0-7 | Fine Sandy Loam | SC-SM | A-2 | 0 | 0 | 90-100 | 85-100 | 51-95 | 26-75 | 12-25 | NP-7 |
| | | Loam | SM | A-4 | | | | | | | | |
| | 7-18 | Sandy Loam | | | | | | | | | | |
| | | Clay Loam | CL | A-4 | 0 | 0 | 90-100 | 85-100 | 68-100 | 30-80 | 25-38 | 7-14 |
| | | Sandy Clay Loam | SC | A-6 | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 18-25 | Sandy Loam | CL | A-2-6 | 0 | 0 | 90-100 | 85-100 | 51-90 | 26-55 | 20-38 | 4-14 |
| | | Sandy Clay Loam | SC | A-4 | | | | | | | | |
| | | | | A-6 | | | | | | | | |
| | 25-43 | Clay Loam | CL | A-2 | 0 | 0-15 | 90-100 | 85-100 | 68-100 | 30-80 | 20-43 | 4-17 |
| | | Sandy Clay Loam | SC | A-4 | | | | | | | | |
| | | Loam | | A-6 | | | | | | | | |
| | 43-67 | Sandy Clay Loam | SC-SM | A-2 | 0 | 0-15 | 90-100 | 85-100 | 51-90 | 26-55 | 16-30 | 2-10 |
| | | Sandy Loam | | | | | | | | | | |
| Abell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Appling | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Cecil | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Partlow | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 14C: | | | | | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 14C: | | | | | | | | | | | | |
| Colfax | 0-7 | Fine Sandy Loam | SC-SM | A-2 | 0 | 0 | 90-100 | 85-100 | 51-95 | 26-75 | 12-25 | NP-7 |
| | | Loam | SM | A-4 | | | | | | | | |
| | 7-18 | Sandy Loam | | | | | | | | | | |
| | | Clay Loam | CL | A-4 | 0 | 0 | 90-100 | 85-100 | 68-100 | 30-80 | 25-38 | 7-14 |
| | | Loam | SC | A-6 | | | | | | | | |
| | 18-25 | Sandy Clay Loam | | | | | | | | | | |
| | | Sandy Clay Loam | CL | A-2-6 | 0 | 0 | 90-100 | 85-100 | 51-90 | 26-55 | 20-38 | 4-14 |
| | | Sandy Loam | SC | A-4 | | | | | | | | |
| | | | | A-6 | | | | | | | | |
| | 25-43 | Clay Loam | CL | A-2 | 0 | 0-15 | 90-100 | 85-100 | 68-100 | 30-80 | 20-43 | 4-17 |
| | | Loam | SC | A-4 | | | | | | | | |
| | | Sandy Clay Loam | | A-6 | | | | | | | | |
| | 43-67 | Sandy Clay Loam | SC-SM | A-2 | 0 | 0-15 | 90-100 | 85-100 | 51-90 | 26-55 | 16-30 | 2-10 |
| | | Sandy Loam | | | | | | | | | | |
| Abell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Appling | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Cecil | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Partlow | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 15B2: | | | | | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 15B2: | | | | | | | | | | | | |
| Cullen | 0-8 | Fine Sandy Loam | ML | A-4 | 0 | 0 | 90-100 | 85-100 | 60-100 | 34-90 | 16-25 | NP-3 |
| | | Silt Loam | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 8-38 | Clay Loam | MH | A-5 | 0 | 0 | 90-100 | 85-100 | 76-100 | 60-95 | 27-56 | 4-14 |
| | | Clay | ML | A-7 | | | | | | | | |
| | | Silty Clay | | | | | | | | | | |
| | 38-67 | Clay Loam | ML | A-4 | 0 | 0 | 90-100 | 85-100 | 72-100 | 51-80 | 20-34 | 2-7 |
| | | Loam | | | | | | | | | | |
| | 67-79 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvanna | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Louisburg | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Poindexter | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 15C2: | | | | | | | | | | | | |
| Cullen | 0-8 | Fine Sandy Loam | ML | A-4 | 0 | 0 | 90-100 | 85-100 | 60-100 | 34-90 | 16-25 | NP-3 |
| | | Silt Loam | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 8-38 | Clay | MH | A-5 | 0 | 0 | 90-100 | 85-100 | 76-100 | 60-95 | 27-56 | 4-14 |
| | | Silty Clay | ML | A-7 | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | 38-67 | Clay Loam | ML | A-4 | 0 | 0 | 90-100 | 85-100 | 72-100 | 51-80 | 20-34 | 2-7 |
| | | Loam | | | | | | | | | | |
| | 67-79 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvanna | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Louisburg | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 15C2: | | | | | | | | | | | | |
| Poindexter | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 15D2: | | | | | | | | | | | | |
| Cullen | 0-8 | Fine Sandy Loam | ML | A-4 | 0 | 0 | 90-100 | 85-100 | 60-100 | 34-90 | 16-25 | NP-3 |
| | | Silt Loam | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 8-38 | Clay | MH | A-5 | 0 | 0 | 90-100 | 85-100 | 76-100 | 60-95 | 27-56 | 4-14 |
| | | Silty Clay | ML | A-7 | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | 38-67 | Loam | ML | A-4 | 0 | 0 | 90-100 | 85-100 | 72-100 | 51-80 | 20-34 | 2-7 |
| | | Clay Loam | | | | | | | | | | |
| | 67-79 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvanna | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Louisburg | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Poindexter | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

16:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 16: Dogue | 0-10 | Loam | ML | A-4 | 0 | 0 | 95-100 | 85-100 | 60-100 | 34-90 | 12-25 | NP-7 |
| | | Silt Loam | SM | | | | | | | | | |
| | | Fine Sandy Loam | | | | | | | | | | |
| | 10-53 | Clay Loam | CH | A-6 | 0 | 0 | 95-100 | 85-100 | 68-100 | 30-95 | 34-52 | 12-22 |
| | | Sandy Clay Loam | CL | A-7 | | | | | | | | |
| | | Clay | ML | | | | | | | | | |
| | | | SC | | | | | | | | | |
| | 53-65 | Sandy Clay Loam | SC | A-1 | 0 | 0 | 70-100 | 63-100 | 35-100 | 10-40 | 9-34 | NP-12 |
| | | Gravelly Loamy Sand | SC-SM | A-2 | | | | | | | | |
| | | Gravelly Sand | SM | A-4 | | | | | | | | |
| | | Gravelly Sandy Loam | SP-SM | | | | | | | | | |
| Altavista | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Aquults | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Wickham | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 17C: Dystrochrepts | 0-9 | Loamy Sand | SC-SM | A-2 | 0 | 0 | 100 | 100 | 50-70 | 15-40 | 16-31 | 1-10 |
| | | Sandy Loam | SM | | | | | | | | | |
| | 9-20 | Loamy Sand | SC-SM | A-2 | 0 | 0 | 100 | 100 | 50-70 | 15-40 | 16-28 | 1-10 |
| | | Sandy Loam | | | | | | | | | | |
| | 20-62 | Clay Loam | SC-SM | A-2 | 0 | 0 | 100 | 100 | 50-100 | 5-80 | 0-45 | NP-25 |
| | | Sand | SM | A-6 | | | | | | | | |
| | | Sandy Loam | | | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 17C: | | | | | | | | | | | | |
| Udults | 0-11 | Very Gravelly Sandy Loam | CL | A-2 | 0 | 0 | 45-100 | 35-100 | 20-100 | 10-95 | 20-56 | 4-32 |
| | | Sandy Loam | SC | A-4 | | | | | | | | |
| | | Clay | SC-SM | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |
| | 11-57 | Clay | CH | A-2 | 0 | 0 | 45-100 | 35-100 | 20-100 | 10-95 | 24-55 | 9-32 |
| | | Very Gravelly Sandy Loam | CL | A-4 | | | | | | | | |
| | | Sandy Clay Loam | SC | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |
| | 57-62 | Sandy Loam | CH | A-1 | 0 | 0 | 45-100 | 35-100 | 20-100 | 2-95 | 0-53 | NP-32 |
| | | Very Gravelly Sand | CL | A-2 | | | | | | | | |
| | | Clay | SC | A-4 | | | | | | | | |
| | | | | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Udifuvents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 17D: | | | | | | | | | | | | |
| Dystrochrepts | 0-9 | Sandy Loam | SC-SM | A-2 | 0 | 0 | 100 | 100 | 50-70 | 15-40 | 16-31 | 1-10 |
| | | Loamy Sand | SM | | | | | | | | | |
| | 9-20 | Sandy Loam | SC-SM | A-2 | 0 | 0 | 100 | 100 | 50-70 | 15-40 | 16-28 | 1-10 |
| | | Loamy Sand | | | | | | | | | | |
| | 20-62 | Sand | SC-SM | A-2 | 0 | 0 | 100 | 100 | 50-100 | 5-80 | 0-45 | NP-25 |
| | | Sandy Loam | SM | A-6 | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 17D: | | | | | | | | | | | | |
| Udults | 0-11 | Clay | CL | A-2 | 0 | 0 | 45-100 | 35-100 | 20-100 | 10-95 | 20-56 | 4-32 |
| | | Very Gravelly Sandy Loam | SC | A-4 | | | | | | | | |
| | | Sandy Loam | SC-SM | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |
| | 11-57 | Sandy Clay Loam | CH | A-2 | 0 | 0 | 45-100 | 35-100 | 20-100 | 10-95 | 24-55 | 9-32 |
| | | Very Gravelly Sandy Loam | CL | A-4 | | | | | | | | |
| | | Clay | SC | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |
| | 57-62 | Very Gravelly Sand | CH | A-1 | 0 | 0 | 45-100 | 35-100 | 20-100 | 2-95 | 0-53 | NP-32 |
| | | Sandy Loam | CL | A-2 | | | | | | | | |
| | | Clay | SC | A-4 | | | | | | | | |
| | | | | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Udifuvents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 17E: | | | | | | | | | | | | |
| Dystrochrepts | 0-9 | Sandy Loam | SC-SM | A-2 | 0 | 0 | 100 | 100 | 50-70 | 15-40 | 16-31 | 1-10 |
| | | Loamy Sand | SM | | | | | | | | | |
| | 9-20 | Sandy Loam | SC-SM | A-2 | 0 | 0 | 100 | 100 | 50-70 | 15-40 | 16-28 | 1-10 |
| | | Loamy Sand | | | | | | | | | | |
| | 20-62 | Sand | SC-SM | A-2 | 0 | 0 | 100 | 100 | 50-100 | 5-80 | 0-45 | NP-25 |
| | | Sandy Loam | SM | A-6 | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 17E: | | | | | | | | | | | | |
| Udults | 0-11 | Clay | CL | A-2 | 0 | 0 | 45-100 | 35-100 | 20-100 | 10-95 | 20-56 | 4-32 |
| | | Very Gravelly Sandy Loam | SC | A-4 | | | | | | | | |
| | | Sandy Loam | SC-SM | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |
| | 11-57 | Clay | CH | A-2 | 0 | 0 | 45-100 | 35-100 | 20-100 | 10-95 | 24-55 | 9-32 |
| | | Very Gravelly Sandy Loam | CL | A-4 | | | | | | | | |
| | | Sandy Clay Loam | SC | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |
| | 57-62 | Sandy Loam | CH | A-1 | 0 | 0 | 45-100 | 35-100 | 20-100 | 2-95 | 0-53 | NP-32 |
| | | Very Gravelly Sand | CL | A-2 | | | | | | | | |
| | | Clay | SC | A-4 | | | | | | | | |
| | | | | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Udifuvents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 18B: | | | | | | | | | | | | |
| Emporia | 0-9 | Fine Sandy Loam | ML | A-2 | 0 | 0-5 | 90-100 | 80-100 | 48-95 | 24-75 | 13-23 | NP-6 |
| | | Loam | SM | A-4 | | | | | | | | |
| | | Sandy Loam | | | | | | | | | | |
| | 9-59 | Loam | CL | A-2 | 0 | 0-3 | 90-100 | 80-100 | 48-95 | 24-75 | 23-38 | 6-14 |
| | | Sandy Loam | SC | A-4 | | | | | | | | |
| | | Sandy Clay Loam | | A-6 | | | | | | | | |
| | 59-72 | Sandy Clay | CL | A-2 | 0 | 0-3 | 60-100 | 50-100 | 30-100 | 15-80 | 23-43 | 6-17 |
| | | Sandy Clay Loam | SC | A-4 | | | | | | | | |
| | | Clay Loam | | A-6 | | | | | | | | |
| | | Sandy Loam | | A-7 | | | | | | | | |
| Faceville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|------------------------------------------------------------|----------------|--------------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 18B: | | | | | | | | | | | | |
| Goldsboro | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Mattaponi | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 18C: | | | | | | | | | | | | |
| Emporia | 0-9 | Sandy Loam Loam | ML SM | A-2 A-4 | 0 | 0-5 | 90-100 | 80-100 | 48-95 | 24-75 | 13-23 | NP-6 |
| | 9-59 | Fine Sandy Loam Sandy Loam Sandy Clay Loam Loam | CL SC | A-2 A-4 A-6 | 0 | 0-3 | 90-100 | 80-100 | 48-95 | 24-75 | 23-38 | 6-14 |
| | 59-72 | Sandy Clay Loam Sandy Loam Sandy Clay Clay Loam | CL SC | A-2 A-4 A-6 A-7 | 0 | 0-3 | 60-100 | 50-100 | 30-100 | 15-80 | 23-43 | 6-17 |
| Faceville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Goldsboro | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Mattaponi | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 19B: | | | | | | | | | | | | |
| Faceville | 0-10 | Sandy Loam Sandy Clay Loam Loam | ML SM | A-2 A-4 | 0 | 0 | 90-100 | 85-100 | 60-95 | 34-75 | 11-24 | NP-3 |
| | 10-79 | Loam Sandy Clay Loam Clay Loam Clay Sandy Clay | ML | A-4 A-6 A-7 | 0 | 0 | 90-100 | 85-100 | 64-100 | 28-95 | 24-49 | 3-12 |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 19B: | | | | | | | | | | | | |
| Emporia | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Goldsboro | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 20B: | | | | | | | | | | | | |
| Faceville | 0-10 | Sandy Loam | ML | A-2 | 0 | 0 | 90-100 | 85-100 | 60-95 | 34-75 | 11-24 | NP-3 |
| | | Sandy Clay Loam | SM | A-4 | | | | | | | | |
| | 10-79 | Loam | | | | | | | | | | |
| | | Sandy Clay | ML | A-4 | 0 | 0 | 90-100 | 85-100 | 64-100 | 28-95 | 24-49 | 3-12 |
| | | Sandy Clay Loam | | A-6 | | | | | | | | |
| | | Clay Loam | | A-7 | | | | | | | | |
| | | Clay | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| Marlboro | 0-15 | Fine Sandy Loam | ML | A-2 | 0 | 0 | 98-100 | 95-100 | 57-85 | 28-55 | 9-20 | NP-2 |
| | | Sandy Loam | SC-SM | A-4 | | | | | | | | |
| | | | SM | | | | | | | | | |
| | 15-60 | Sandy Clay Loam | ML | A-4 | 0 | 0 | 98-100 | 95-100 | 76-100 | 33-95 | 27-52 | 4-13 |
| | | Clay | | A-5 | | | | | | | | |
| | | Clay Loam | | A-6 | | | | | | | | |
| | | Sandy Clay | | A-7 | | | | | | | | |
| Emporia | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Goldsboro | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

20C2:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-------------------------------------------------------------------------------|-------------------|--------------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 20C2: | | | | | | | | | | | | |
| Faceville | 0-10 | Sandy Loam Loam | ML SM | A-2 A-4 | 0 | 0 | 90-100 | 85-100 | 60-95 | 34-75 | 11-24 | NP-3 |
| | 10-79 | Sandy Clay Loam Loam Sandy Clay Sandy Clay Loam Clay Loam Clay | ML | A-4 A-6 A-7 | 0 | 0 | 90-100 | 85-100 | 64-100 | 28-95 | 24-49 | 3-12 |
| Marlboro | 0-15 | Sandy Loam Fine Sandy Loam | ML SC-SM SM | A-2 A-4 | 0 | 0 | 98-100 | 95-100 | 57-85 | 28-55 | 9-20 | NP-2 |
| | 15-60 | Clay Sandy Clay Loam Clay Loam Sandy Clay | ML | A-4 A-5 A-6 A-7 | 0 | 0 | 98-100 | 95-100 | 76-100 | 33-95 | 27-52 | 4-13 |
| Emporia | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Mattaponi | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 21B: | | | | | | | | | | | | |
| Faceville | 0-10 | Sandy Loam Sandy Clay Loam Loam | ML SM | A-2 A-4 | 0 | 0 | 90-100 | 85-100 | 60-95 | 34-75 | 11-24 | NP-3 |
| | 10-79 | Clay Sandy Clay Loam Sandy Clay Clay Loam Loam | ML | A-4 A-6 A-7 | 0 | 0 | 90-100 | 85-100 | 64-100 | 28-95 | 24-49 | 3-12 |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 21B: | | | | | | | | | | | | |
| Varina | 0-13 | Fine Sandy Loam | SC-SM | A-2 | 0 | 0 | 95-100 | 93-100 | 55-95 | 27-75 | 11-19 | NP-1 |
| | | Sandy Loam | SM | A-4 | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 13-79 | Clay Loam | ML | A-4 | 0 | 0 | 65-100 | 55-100 | 50-100 | 38-95 | 27-49 | 4-12 |
| | | Clay | SM | A-6 | | | | | | | | |
| | | Gravelly Clay Loam | | A-7 | | | | | | | | |
| Emporia | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Goldsboro | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Mattaponi | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 21C2: | | | | | | | | | | | | |
| Faceville | 0-10 | Sandy Loam | ML | A-2 | 0 | 0 | 90-100 | 85-100 | 60-95 | 34-75 | 11-24 | NP-3 |
| | | Loam | SM | A-4 | | | | | | | | |
| | | Sandy Clay Loam | | | | | | | | | | |
| | 10-79 | Loam | ML | A-4 | 0 | 0 | 90-100 | 85-100 | 64-100 | 28-95 | 24-49 | 3-12 |
| | | Sandy Clay Loam | | A-6 | | | | | | | | |
| | | Clay | | A-7 | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | | Sandy Clay | | | | | | | | | | |
| Varina | 0-13 | Fine Sandy Loam | SC-SM | A-2 | 0 | 0 | 95-100 | 93-100 | 55-95 | 27-75 | 11-19 | NP-1 |
| | | Loam | SM | A-4 | | | | | | | | |
| | | Sandy Loam | | | | | | | | | | |
| | 13-79 | Clay | ML | A-4 | 0 | 0 | 65-100 | 55-100 | 50-100 | 38-95 | 27-49 | 4-12 |
| | | Gravelly Clay Loam | SM | A-6 | | | | | | | | |
| | | Clay Loam | | A-7 | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 21C2: | | | | | | | | | | | | |
| Emporia | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Goldsboro | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Mattaponi | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 22B: | | | | | | | | | | | | |
| Fluvanna | 0-10 | Fine Sandy Loam | CL | A-2 | 0 | 0 | 90-100 | 85-100 | 60-100 | 34-90 | 12-31 | NP-10 |
| | | Silt Loam | ML | A-4 | | | | | | | | |
| | | Loam | SC | | | | | | | | | |
| | | | SC-SM | | | | | | | | | |
| | | | SM | | | | | | | | | |
| | 10-49 | Silty Clay Loam | CH | A-7 | 0 | 0 | 90-100 | 85-100 | 76-100 | 64-95 | 38-66 | 14-30 |
| | | Silty Clay | MH | | | | | | | | | |
| | | Clay | | | | | | | | | | |
| | 49-73 | Loam | CL | A-6 | 0 | 0-8 | 90-100 | 85-100 | 76-100 | 60-95 | 25-43 | 7-17 |
| | | Clay Loam | | A-7 | | | | | | | | |
| | | Silty Clay Loam | | | | | | | | | | |
| | 73-79 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Orange | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Poindexter | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

22C2:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------------------------|-------------------------|------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 22C2: | | | | | | | | | | | | |
| Fluvanna | 0-10 | Fine Sandy Loam Loam Silt Loam | CL ML SC SC-SM | A-2 A-4 | 0 | 0 | 90-100 | 85-100 | 60-100 | 34-90 | 12-31 | NP-10 |
| | 10-49 | Silty Clay Loam Silty Clay Clay | CH MH | A-7 | 0 | 0 | 90-100 | 85-100 | 76-100 | 64-95 | 38-66 | 14-30 |
| | 49-73 | Silty Clay Loam Clay Loam Loam | CL | A-6 A-7 | 0 | 0-8 | 90-100 | 85-100 | 76-100 | 60-95 | 25-43 | 7-17 |
| | 73-79 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Colfax | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Poindexter | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

22D2:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------------------------|-------------------------|------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 22D2: Fluvanna | 0-10 | Loam Fine Sandy Loam Silt Loam | CL ML SC SC-SM | A-2 A-4 | 0 | 0 | 90-100 | 85-100 | 60-100 | 34-90 | 12-31 | NP-10 |
| | 10-49 | Clay Silty Clay Silty Clay Loam | CH MH | A-7 | 0 | 0 | 90-100 | 85-100 | 76-100 | 64-95 | 38-66 | 14-30 |
| | 49-73 | Loam Silty Clay Loam Clay Loam | CL | A-6 A-7 | 0 | 0-8 | 90-100 | 85-100 | 76-100 | 60-95 | 25-43 | 7-17 |
| | 73-79 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Louisburg | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Poindexter | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

23:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------------------------------------------|-------------------------------------|-----------------------------------|---------------|----------------|------------------------------|--------|--------|------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 23: Fluvaquents | 0-10 | Very Gravelly Loamy Sand Clay Loam Sandy Loam | CL CL-ML ML SM | A-2 A-4 A-6 | 0 | 0 | 45-100 | 35-100 | 20-100 | 2-80 | 0-54 | NP-24 |
| | 10-72 | Clay Very Gravelly Sand Sandy Clay Loam | CL CL-ML SC SC-SM SW-SM | A-1 A-2-4 A-4 A-6 A-7 | 0 | 0 | 45-100 | 35-100 | 20-100 | 2-95 | 0-58 | NP-32 |
| Udifuvents | 0-10 | Clay Loam Very Gravelly Loamy Sand Sandy Loam | CL CL-ML ML SM | A-2 A-4 A-6 | 0 | 0 | 45-100 | 35-100 | 20-100 | 2-80 | 0-54 | NP-24 |
| | 10-72 | Gravelly Sandy Loam Clay Very Gravelly Sand | CL CL-ML SC SC-SM SW-SM | A-1 A-2-4 A-4 A-6 A-7 | 0 | 0 | 45-100 | 35-100 | 20-100 | 2-95 | 0-58 | NP-32 |
| Altavista | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Aquults | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Partlow | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Wickham | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

24:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-------------------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 24: | | | | | | | | | | | | |
| Goldsboro | 0-12 | Loamy Sand | SC-SM | A-2 | 0 | 0 | 90-100 | 85-100 | 42-85 | 13-55 | 12-20 | NP-4 |
| | | Sandy Loam | SM | A-4 | | | | | | | | |
| | | Fine Sandy Loam | | | | | | | | | | |
| | 12-62 | Sandy Clay Loam | CL | A-2 | 0 | 0 | 90-100 | 85-100 | 51-90 | 26-55 | 23-34 | 6-12 |
| | | Sandy Loam | CL-ML | A-4 | | | | | | | | |
| | | | SC | A-6 | | | | | | | | |
| | | | SC-SM | | | | | | | | | |
| | 62-77 | Very Gravelly Clay Loam | CL | A-6 | 0 | 0 | 50-100 | 35-100 | 27-100 | 21-80 | 31-43 | 10-17 |
| | | Gravelly Clay Loam | | | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| Aquults | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Emporia | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Suffolk | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 25B: | | | | | | | | | | | | |
| Kempsville | 0-13 | Gravelly Loam | GC-GM | A-1 | 0 | 0-3 | 45-80 | 35-70 | 21-66 | 10-52 | 12-20 | NP-4 |
| | | Gravelly Sandy Loam | GM | A-2 | | | | | | | | |
| | | Very Gravelly Sandy Loam | SC-SM | A-4 | | | | | | | | |
| | | | SM | | | | | | | | | |
| | 13-44 | Gravelly Clay Loam | CL | A-2 | 0 | 0-3 | 45-80 | 35-70 | 21-70 | 10-56 | 23-38 | 6-14 |
| | | Gravelly Sandy Clay Loam | GC | A-6 | | | | | | | | |
| | | Very Gravelly Sandy Loam | SC | | | | | | | | | |
| | 44-63 | Gravelly Sandy Clay Loam | GC-GM | A-1 | 0 | 0-8 | 45-80 | 35-70 | 10-70 | 1-66 | 9-52 | NP-22 |
| | | Stratified Very Gravelly Sand | GM | A-2 | | | | | | | | |
| | | To Gravelly Clay | SC | A-4 | | | | | | | | |
| | | | SC-SM | A-6 | | | | | | | | |
| | | | SM | | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------------------------------------|----------------|--------|---------------|----------------|------------------------------|-------|-------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 25B: | | | | | | | | | | | | |
| Bama | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Emporia | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Faceville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Suffolk | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 25C: | | | | | | | | | | | | |
| Kempsville | 0-13 | Gravelly Sandy Loam | GC-GM | A-1 | 0 | 0-3 | 45-80 | 35-70 | 21-66 | 10-52 | 12-20 | NP-4 |
| | | Very Gravelly Sandy Loam | GM | A-2 | | | | | | | | |
| | | Gravelly Loam | SC-SM | A-4 | | | | | | | | |
| | 13-44 | Gravelly Clay Loam | CL | A-2 | 0 | 0-3 | 45-80 | 35-70 | 21-70 | 10-56 | 23-38 | 6-14 |
| | | Very Gravelly Sandy Loam | GC | A-6 | | | | | | | | |
| | | Gravelly Sandy Clay Loam | SC | | | | | | | | | |
| | 44-63 | Stratified Very Gravelly Sand To Gravelly Clay | GC-GM | A-1 | 0 | 0-8 | 45-80 | 35-70 | 10-70 | 1-66 | 9-52 | NP-22 |
| | | Gravelly Sandy Clay Loam | GM | A-2 | | | | | | | | |
| | | | SC | A-4 | | | | | | | | |
| | | | SC-SM | A-6 | | | | | | | | |
| | | | SM | | | | | | | | | |
| | | | | | | | | | | | | |
| Emporia | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Faceville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Varina | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

25D:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|------------------------------------------|----------------|--------|---------------|----------------|------------------------------|-------|-------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 25D: | | | | | | | | | | | | |
| Kempsville | 0-13 | Gravelly Loam | GC-GM | A-1 | 0 | 0-3 | 45-80 | 35-70 | 21-66 | 10-52 | 12-20 | NP-4 |
| | | Very Gravelly Sandy Loam | GM | A-2 | | | | | | | | |
| | | Gravelly Sandy Loam | SC-SM | A-4 | | | | | | | | |
| | | | SM | | | | | | | | | |
| | 13-44 | Very Gravelly Sandy Loam | CL | A-2 | 0 | 0-3 | 45-80 | 35-70 | 21-70 | 10-56 | 23-38 | 6-14 |
| | | Gravelly Sandy Clay Loam | GC | A-6 | | | | | | | | |
| | | Gravelly Clay Loam | SC | | | | | | | | | |
| | 44-63 | Stratified Gravelly Sandy Loam | GC-GM | A-1 | 0 | 0-8 | 45-80 | 35-70 | 10-70 | 1-66 | 9-52 | NP-22 |
| | | | GM | A-2 | | | | | | | | |
| | | Stratified Very Gravelly Loamy Sand | SC | A-4 | | | | | | | | |
| | | | SC-SM | A-6 | | | | | | | | |
| | | Stratified Very Gravelly Clay Loam | SM | | | | | | | | | |
| | | Stratified Gravelly Clay | | | | | | | | | | |
| | | Stratified Very Gravelly Sandy Clay Loam | | | | | | | | | | |
| | | Stratified Very Gravelly Loam | | | | | | | | | | |
| | | Stratified Very Gravelly Sandy Loam | | | | | | | | | | |
| | | Stratified Gravelly Sand | | | | | | | | | | |
| | | Stratified Gravelly Loam | | | | | | | | | | |
| | | Stratified Gravelly Clay Loam | | | | | | | | | | |
| | | Stratified Gravelly Sandy Clay Loam | | | | | | | | | | |
| | | Stratified Very Gravelly Sand | | | | | | | | | | |
| | | Stratified Gravelly Loamy Sand | | | | | | | | | | |
| | | | | | | | | | | | | |
| Dystrochrepts | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Udults | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------------------------------------|-------------------------------|-------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 25D: | | | | | | | | | | | | |
| 26C: | | | | | | | | | | | | |
| LaRoque | 0-7 | Silt Loam Loam | CL CL-ML ML | A-4 | 0 | 0-8 | 85-100 | 80-100 | 68-100 | 48-90 | 12-31 | NP-10 |
| | 7-14 | Silty Clay Loam Loam Clay Loam Silt Loam | CL CL-ML | A-4 A-6 A-7 | 0 | 0-8 | 90-100 | 85-100 | 72-100 | 51-95 | 23-43 | 6-17 |
| | 14-34 | Sandy Loam Loam | CL CL-ML ML SC SM | A-4 | 0 | 0-8 | 95-100 | 93-100 | 55-95 | 27-75 | 12-31 | NP-10 |
| | 34-60 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Brockroad | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Margo | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Toddstav | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

26D:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------------------------------------|-------------------------------|-------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 26D: | | | | | | | | | | | | |
| LaRoque | 0-7 | Loam Silt Loam | CL CL-ML ML | A-4 | 0 | 0-8 | 85-100 | 80-100 | 68-100 | 48-90 | 12-31 | NP-10 |
| | 7-14 | Silt Loam Loam Silty Clay Loam Clay Loam | CL CL-ML | A-4 A-6 A-7 | 0 | 0-8 | 90-100 | 85-100 | 72-100 | 51-95 | 23-43 | 6-17 |
| | 14-34 | Sandy Loam Loam | CL CL-ML ML SC SM | A-4 | 0 | 0-8 | 95-100 | 93-100 | 55-95 | 27-75 | 12-31 | NP-10 |
| | 34-60 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Brockroad | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Margo | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

26E:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------------------------------------|-------------------------------|-------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 26E: | | | | | | | | | | | | |
| LaRoque | 0-7 | Loam Silt Loam | CL CL-ML ML | A-4 | 0 | 0-8 | 85-100 | 80-100 | 68-100 | 48-90 | 12-31 | NP-10 |
| | 7-14 | Clay Loam Silt Loam Loam Silty Clay Loam | CL CL-ML | A-4 A-6 A-7 | 0 | 0-8 | 90-100 | 85-100 | 72-100 | 51-95 | 23-43 | 6-17 |
| | 14-34 | Sandy Loam Loam | CL CL-ML ML SC SM | A-4 | 0 | 0-8 | 95-100 | 93-100 | 55-95 | 27-75 | 12-31 | NP-10 |
| | 34-60 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Margo | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Toddstav | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

27C:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-------------------------------------------------------------------|----------------|------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 27C: | | | | | | | | | | | | |
| Louisburg | 0-11 | Sandy Loam Loam Silt Loam | SC-SM SM | A-2 | 0 | 0-23 | 70-100 | 63-100 | 37-100 | 18-90 | 12-20 | NP-4 |
| | 11-27 | Very Gravelly Sandy Loam Silty Clay Loam Sandy Loam Loam | SC-SM SM | A-2 A-4 | 0 | 0-23 | 45-100 | 35-100 | 21-100 | 10-95 | 16-43 | 2-17 |
| | 27-36 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Appling | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Cecil | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Margo | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Pacolet | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Toddstav | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 27D: | | | | | | | | | | | | |
| Louisburg | 0-11 | Sandy Loam Loam Silt Loam | SC-SM SM | A-2 | 0 | 0-23 | 70-100 | 63-100 | 37-100 | 18-90 | 12-20 | NP-4 |
| | 11-27 | Very Gravelly Sandy Loam Silty Clay Loam Sandy Loam Loam | SC-SM SM | A-2 A-4 | 0 | 0-23 | 45-100 | 35-100 | 21-100 | 10-95 | 16-43 | 2-17 |
| | 27-36 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Appling | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Cecil | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 27D: | | | | | | | | | | | | |
| Margo | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Pacolet | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Toddstav | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 27E: | | | | | | | | | | | | |
| Louisburg | 0-11 | Silt Loam | SC-SM | A-2 | 0 | 0-23 | 70-100 | 63-100 | 37-100 | 18-90 | 12-20 | NP-4 |
| | | Loam | SM | | | | | | | | | |
| | 11-27 | Sandy Loam | SC-SM | A-2 | 0 | 0-23 | 45-100 | 35-100 | 21-100 | 10-95 | 16-43 | 2-17 |
| | | Sandy Loam | SM | A-4 | | | | | | | | |
| | | Very Gravelly Sandy Loam | | | | | | | | | | |
| | | Silty Clay Loam | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 27-36 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Appling | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Cecil | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Margo | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Pacolet | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Toddstav | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

28B:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------------------------------------------------------------------------|----------------------------|--------------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 28B: | | | | | | | | | | | | |
| Margo | 0-9 | Silt Loam Loam | CL CL-ML ML | A-4 | 0 | 0 | 95-100 | 93-100 | 78-100 | 55-90 | 12-31 | NP-10 |
| | 9-42 | Clay Loam Silty Clay Loam Silt Loam Loam | CL CL-ML A-6 A-7 | A-4 A-5 | 0 | 0 | 95-100 | 93-100 | 78-100 | 55-95 | 23-43 | 6-17 |
| | 42-45 | Gravelly Silt Loam Gravelly Clay Loam Gravelly Silty Clay Loam Gravelly Loam | CL CL-ML SC SC-SM | A-2 A-4 A-6 A-7 | 0 | 0 | 60-85 | 50-75 | 42-75 | 30-71 | 12-43 | NP-17 |
| | 45-60 | Loam Sandy Loam | CL CL-ML SC SC-SM | A-2 A-4 | 0 | 0 | 95-100 | 93-100 | 55-95 | 27-75 | 12-31 | NP-10 |
| LaRoque | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Toddstav | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

29B:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|------------------------------------------------------------------|-------------------------------|------------|---------------|----------------|------------------------------|--------|-------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 29B: Masada | 0-14 | Fine Sandy Loam Sandy Loam Loam | CL CL-ML ML SC SM | A-4 | 0 | 0-8 | 90-100 | 85-100 | 51-95 | 26-75 | 16-31 | 2-10 |
| | 14-75 | Sandy Clay Loam Clay Clay Loam Very Gravelly Sandy Loam | CH CL ML | A-6 A-7 | 0 | 0-15 | 45-100 | 28-100 | 16-95 | 8-80 | 23-56 | 6-24 |
| Appling | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Cecil | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Turbeville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 29C2: Masada | 0-14 | Sandy Loam Loam Fine Sandy Loam | CL CL-ML ML SC SM | A-4 | 0 | 0-8 | 90-100 | 85-100 | 51-95 | 26-75 | 16-31 | 2-10 |
| | 14-75 | Clay Clay Loam Very Gravelly Sandy Loam Sandy Clay Loam | CH CL ML | A-6 A-7 | 0 | 0-15 | 45-100 | 28-100 | 16-95 | 8-80 | 23-56 | 6-24 |
| Appling | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 29C2: | | | | | | | | | | | | |
| Cecil | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Turbeville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 30B: | | | | | | | | | | | | |
| Mattaponi | 0-8 | Loam | SC | A-2 | 0 | 0 | 90-100 | 85-100 | 51-100 | 26-90 | 12-30 | NP-10 |
| | | Sandy Loam | SC-SM | A-4 | | | | | | | | |
| | | Silt Loam | SM | | | | | | | | | |
| | | Sandy Clay Loam | | | | | | | | | | |
| | 8-44 | Clay Loam | CH | A-6 | 0 | 0 | 90-100 | 85-100 | 68-100 | 30-95 | 34-66 | 12-30 |
| | | Sandy Clay Loam | CL | A-7 | | | | | | | | |
| | | Clay | MH | | | | | | | | | |
| | | | SC | | | | | | | | | |
| | 44-68 | Sandy Loam | GP | A-1 | 0 | 0 | 40-100 | 28-100 | --- | --- | 9-61 | NP-27 |
| | | Very Gravelly Sand | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | | Clay | | | | | | | | | | |
| Faceville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Kempsville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 31C2: | | | | | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 31C2: | | | | | | | | | | | | |
| Mattaponi | 0-8 | Sandy Clay Loam | SC | A-2 | 0 | 0 | 90-100 | 85-100 | 68-100 | 30-95 | 25-48 | 7-20 |
| | | Clay | SC-SM | A-4 | | | | | | | | |
| | | Clay Loam | SM | | | | | | | | | |
| | 8-44 | Sandy Clay Loam | CH | A-6 | 0 | 0 | 90-100 | 85-100 | 68-100 | 30-95 | 34-66 | 12-30 |
| | | Clay | CL | A-7 | | | | | | | | |
| | | Clay Loam | MH | | | | | | | | | |
| | | | SC | | | | | | | | | |
| | 44-68 | Clay | GP | A-1 | 0 | 0 | 40-100 | 28-100 | --- | --- | 9-61 | NP-27 |
| | | Sandy Loam | | | | | | | | | | |
| | | Very Gravelly Sand | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| Faceville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Kempsville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 32B: | | | | | | | | | | | | |
| Nason | 0-7 | Loam | CL | A-4 | 0 | 0-8 | 90-100 | 85-100 | 72-100 | 51-90 | 16-31 | 2-10 |
| | | Silt Loam | CL-ML | | | | | | | | | |
| | | | ML | | | | | | | | | |
| | 7-35 | Silty Clay Loam | CH | A-7 | 0 | 0-8 | 90-100 | 85-100 | 76-95 | 64-95 | 38-52 | 14-22 |
| | | Clay | CL | | | | | | | | | |
| | | Silty Clay | ML | | | | | | | | | |
| | 35-55 | Silt Loam | CL | A-2 | 0 | 0-8 | 65-100 | 55-98 | 47-98 | 33-89 | 16-30 | 2-10 |
| | | Channery Loam | CL-ML | A-4 | | | | | | | | |
| | | Very Channery Loam | GC-GM | | | | | | | | | |
| | | Channery Silt Loam | SC | | | | | | | | | |
| | 55-69 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Brockroad | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|------------------------------------------------------------------------|----------------------------|------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 32B: | | | | | | | | | | | | |
| Catharpin | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| LaRoque | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 32C2: | | | | | | | | | | | | |
| Nason | 0-7 | Silt Loam Loam | CL CL-ML ML | A-4 | 0 | 0-8 | 90-100 | 85-100 | 72-100 | 51-90 | 16-31 | 2-10 |
| | 7-35 | Silty Clay Clay Silty Clay Loam | CH CL ML | A-7 | 0 | 0-8 | 90-100 | 85-100 | 76-95 | 64-95 | 38-52 | 14-22 |
| | 35-55 | Silt Loam Channery Loam Channery Silt Loam Very Channery Loam | CL CL-ML GC-GM SC | A-2 A-4 | 0 | 0-8 | 65-100 | 55-98 | 47-98 | 33-89 | 16-30 | 2-10 |
| | 55-69 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| LaRoque | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Partlow | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

32D2:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-------------------------------------------------------------------------------------------|----------------------------------|------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 32D2: Nason | 0-7 | Silt Loam Loam | CL CL-ML ML | A-4 | 0 | 0-8 | 90-100 | 85-100 | 72-100 | 51-90 | 16-31 | 2-10 |
| | 7-35 | Silty Clay Clay | CH CL | A-7 | 0 | 0-8 | 90-100 | 85-100 | 76-95 | 64-95 | 38-52 | 14-22 |
| | 35-55 | Silty Clay Loam Channery Loam Very Channery Loam Silt Loam Channery Silt Loam | ML CL CL-ML GC-GM SC | A-2 A-4 | 0 | 0-8 | 65-100 | 55-98 | 47-98 | 33-89 | 16-30 | 2-10 |
| | 55-69 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| LaRoque | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 33B: Orange | 0-6 | Loam Fine Sandy Loam Silt Loam | CL SC-SM | A-4 A-6 | 0 | 0 | 90-100 | 85-100 | 60-100 | 34-90 | 26-43 | 9-23 |
| | 6-43 | Clay Silty Clay Silty Clay Loam Clay Loam | CH | A-7 | 0 | 0 | 90-100 | 85-100 | 76-100 | 60-95 | 46-76 | 25-49 |
| | 43-65 | Loam Gravelly Sandy Loam Sandy Clay Loam Silt Loam | CL GC SC | A-6 A-7 | 0 | 0-55 | 60-100 | 50-100 | 30-100 | 15-90 | 26-51 | 9-29 |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-------------------------------------------------------------|----------------|------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 33B: Iredell | 0-5 | Sandy Loam Silt Loam Loam Clay Loam | CL | A-6 A-7 | 0 | 0-2 | 90-100 | 85-100 | 51-100 | 26-90 | 31-51 | 13-29 |
| | 5-30 | Clay Loam Clay | CH | A-7 | 0 | 0 | 90-100 | 85-100 | 76-100 | 60-95 | 56-106 | 33-57 |
| | 30-62 | Loam Clay Loam Sandy Clay Loam | CH CL SC | A-7 | 0 | 0-2 | 90-100 | 85-100 | 68-100 | 30-80 | 31-51 | 13-29 |
| Cullen | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvanna | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Poindexter | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 33C2: Orange | 0-6 | Fine Sandy Loam Loam Silt Loam | CL SC-SM | A-4 A-6 | 0 | 0 | 90-100 | 85-100 | 60-100 | 34-90 | 26-43 | 9-23 |
| | 6-43 | Clay Silty Clay Silty Clay Loam Clay Loam | CH | A-7 | 0 | 0 | 90-100 | 85-100 | 76-100 | 60-95 | 46-76 | 25-49 |
| | 43-65 | Sandy Clay Loam Silt Loam Gravelly Sandy Loam Loam | CL GC SC | A-6 A-7 | 0 | 0-55 | 60-100 | 50-100 | 30-100 | 15-90 | 26-51 | 9-29 |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|----------------------------------------------|----------------------------------------|--------------------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 33C2: Iredell | 0-5 | Loam Sandy Loam Silt Loam Clay Loam | CL | A-6 A-7 | 0 | 0-2 | 90-100 | 85-100 | 51-100 | 26-90 | 31-51 | 13-29 |
| | 5-30 | Clay Clay Loam | CH | A-7 | 0 | 0 | 90-100 | 85-100 | 76-100 | 60-95 | 56-106 | 33-57 |
| | 30-62 | Sandy Clay Loam Loam Clay Loam | CH CL SC | A-7 | 0 | 0-2 | 90-100 | 85-100 | 68-100 | 30-80 | 31-51 | 13-29 |
| Cullen | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvanna | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Poindexter | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 34B: Partlow | 0-14 | Loam Coarse Sandy Loam Sandy Loam | SC-SM SM | A-2 A-4 | 0 | 0 | 90-100 | 85-100 | 42-95 | 13-75 | 12-23 | NP-6 |
| | 14-55 | Sandy Clay Loam Sandy Loam Clay Loam | CL CL-ML SC | A-2 A-4 A-6 | 0 | 0 | 90-100 | 85-100 | 51-100 | 26-80 | 23-38 | 6-14 |
| | 55-70 | Loam Sandy Loam Sandy Clay Loam | SC-SM CL ML SC SC-SM SM | A-2 A-4 A-4 A-6 | 0 | 0 | 90-100 | 85-100 | 51-95 | 26-75 | 12-38 | NP-14 |
| Abell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|-------|-------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 34B: Colfax | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 35C: Poindexter | 0-6 | Sandy Clay Loam | CL-ML | A-4 | 0 | 0 | 90-99 | 80-95 | 64-95 | 28-86 | 16-38 | 2-14 |
| | | Clay Loam | ML | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | | Silt Loam | | | | | | | | | | |
| | 6-19 | Loam | CL | A-6 | 0 | 0 | 90-100 | 80-95 | 64-95 | 28-86 | 25-38 | 7-14 |
| | | Sandy Clay Loam | SC | | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | 19-27 | Sandy Loam | CL-ML | A-2 | 0 | 0 | 45-98 | 30-90 | 18-90 | 9-86 | 16-38 | 2-14 |
| | | Clay Loam | ML | A-4 | | | | | | | | |
| | | Sandy Clay Loam | SC | | | | | | | | | |
| | | Silty Clay Loam | SC-SM | | | | | | | | | |
| | | | SM | | | | | | | | | |
| | 27-45 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 45-79 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cullen | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvanna | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Iredell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Orange | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

35D:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|-------|-------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 35D: | | | | | | | | | | | | |
| Poindexter | 0-6 | Clay Loam | CL-ML | A-4 | 0 | 0 | 90-99 | 80-95 | 64-95 | 28-86 | 16-38 | 2-14 |
| | | Silt Loam | ML | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | | Sandy Clay Loam | | | | | | | | | | |
| | 6-19 | Clay Loam | CL | A-6 | 0 | 0 | 90-100 | 80-95 | 64-95 | 28-86 | 25-38 | 7-14 |
| | | Loam | SC | | | | | | | | | |
| | | Sandy Clay Loam | | | | | | | | | | |
| | 19-27 | Silty Clay Loam | CL-ML | A-2 | 0 | 0 | 45-98 | 30-90 | 18-90 | 9-86 | 16-38 | 2-14 |
| | | Sandy Loam | ML | A-4 | | | | | | | | |
| | | Sandy Clay Loam | SC | | | | | | | | | |
| | | Clay Loam | SC-SM | | | | | | | | | |
| | | | SM | | | | | | | | | |
| | 27-45 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 45-79 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cullen | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvanna | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Louisburg | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Partlow | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

35E:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------------------------------------------------|----------------------------------|------------|---------------|----------------|------------------------------|-------|-------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 35E: | | | | | | | | | | | | |
| Poindexter | 0-6 | Silt Loam Sandy Clay Loam Clay Loam Loam | CL-ML ML | A-4 | 0 | 0 | 90-99 | 80-95 | 64-95 | 28-86 | 16-38 | 2-14 |
| | 6-19 | Sandy Clay Loam Clay Loam Loam | CL SC | A-6 | 0 | 0 | 90-100 | 80-95 | 64-95 | 28-86 | 25-38 | 7-14 |
| | 19-27 | Sandy Loam Silty Clay Loam Sandy Clay Loam Clay Loam | CL-ML ML SC SC-SM SM | A-2 A-4 | 0 | 0 | 45-98 | 30-90 | 18-90 | 9-86 | 16-38 | 2-14 |
| | 27-45 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 45-79 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Louisburg | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

36A:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 36A: | | | | | | | | | | | | |
| Savannah | 0-11 | Loam | CL-ML | A-2 | 0 | 0 | 85-100 | 80-100 | 48-100 | 24-90 | 12-25 | NP-7 |
| | | Silt Loam | ML | A-4 | | | | | | | | |
| | | Fine Sandy Loam | SC-SM | | | | | | | | | |
| | | Sandy Loam | SM | | | | | | | | | |
| | 11-22 | Sandy Clay Loam | CL | A-2 | 0 | 0 | 85-100 | 80-100 | 64-100 | 28-80 | 25-38 | 7-14 |
| | | Clay Loam | SC | A-6 | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 22-39 | Sandy Clay Loam | CL | A-2 | 0 | 0 | 85-100 | 80-100 | 48-90 | 24-55 | 20-38 | 4-14 |
| | | Fine Sandy Loam | SC | A-4 | | | | | | | | |
| | | Sandy Loam | SC-SM | A-6 | | | | | | | | |
| | 39-79 | Clay | ML | A-4 | 0 | 0 | 60-100 | 50-100 | 25-100 | 2-95 | 9-61 | NP |
| | | Gravelly Sand | | | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | | Sandy Clay Loam | | | | | | | | | | |
| Faceville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Goldsboro | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Partlow | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

36B:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 36B: | | | | | | | | | | | | |
| Savannah | 0-11 | Sandy Loam | CL-ML | A-2 | 0 | 0 | 85-100 | 80-100 | 48-100 | 24-90 | 12-25 | NP-7 |
| | | Fine Sandy Loam | ML | A-4 | | | | | | | | |
| | | Silt Loam | SC-SM | | | | | | | | | |
| | | Loam | SM | | | | | | | | | |
| | 11-22 | Sandy Clay Loam | CL | A-2 | 0 | 0 | 85-100 | 80-100 | 64-100 | 28-80 | 25-38 | 7-14 |
| | | Loam | SC | A-6 | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | 22-39 | Fine Sandy Loam | CL | A-2 | 0 | 0 | 85-100 | 80-100 | 48-90 | 24-55 | 20-38 | 4-14 |
| | | Sandy Clay Loam | SC | A-4 | | | | | | | | |
| | | Sandy Loam | SC-SM | A-6 | | | | | | | | |
| | 39-79 | Clay Loam | ML | A-4 | 0 | 0 | 60-100 | 50-100 | 25-100 | 2-95 | 9-61 | NP |
| | | Sandy Clay Loam | | | | | | | | | | |
| | | Gravelly Sand | | | | | | | | | | |
| | | Clay | | | | | | | | | | |
| Faceville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Goldsboro | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Partlow | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

37B:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 37B: | | | | | | | | | | | | |
| Spotsylvania | 0-10 | Loam | ML | A-2 | 0 | 0 | 85-100 | 80-100 | 48-95 | 24-75 | 9-25 | NP-3 |
| | | Sandy Loam | SC-SM | A-4 | | | | | | | | |
| | | Fine Sandy Loam | SM | | | | | | | | | |
| | 10-19 | Sandy Clay Loam | ML | A-2 | 0 | 0-8 | 85-100 | 80-100 | 64-100 | 28-80 | 20-34 | 2-7 |
| | | Loam | SM | A-4 | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | 19-54 | Clay | ML | A-4 | 0 | 0-8 | 85-100 | 80-100 | 72-100 | 56-95 | 31-45 | 5-11 |
| | | Clay Loam | | A-7 | | | | | | | | |
| | 54-74 | Sandy Loam | ML | A-2 | 0 | 0-8 | 85-100 | 80-100 | 48-90 | 24-55 | 13-31 | NP-5 |
| | | Loam | SM | A-4 | | | | | | | | |
| | | Sandy Clay Loam | | | | | | | | | | |
| Appling | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Cecil | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Faceville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 37C: | | | | | | | | | | | | |
| Spotsylvania | 0-10 | Sandy Loam | ML | A-2 | 0 | 0 | 85-100 | 80-100 | 48-95 | 24-75 | 9-25 | NP-3 |
| | | Fine Sandy Loam | SC-SM | A-4 | | | | | | | | |
| | | Loam | SM | | | | | | | | | |
| | 10-19 | Clay Loam | ML | A-2 | 0 | 0-8 | 85-100 | 80-100 | 64-100 | 28-80 | 20-34 | 2-7 |
| | | Sandy Clay Loam | SM | A-4 | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 19-54 | Clay Loam | ML | A-4 | 0 | 0-8 | 85-100 | 80-100 | 72-100 | 56-95 | 31-45 | 5-11 |
| | | Clay | | A-7 | | | | | | | | |
| | 54-74 | Sandy Clay Loam | ML | A-4 | 0 | 0-8 | 85-100 | 80-100 | 48-90 | 24-55 | 13-31 | NP-5 |
| | | Loam | SM | | | | | | | | | |
| | | Sandy Loam | | | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|---------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 37C: | | | | | | | | | | | | |
| Appling | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Cecil | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Faceville | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Savannah | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 38B: | | | | | | | | | | | | |
| Suffolk | 0-10 | Loamy Sand | CL-ML | A-2 | 0 | 0 | 95-100 | 93-100 | 46-85 | 14-55 | 12-23 | NP-6 |
| | | Fine Sandy Loam | ML | A-4 | | | | | | | | |
| | | Sandy Loam | SC-SM | | | | | | | | | |
| | | | SM | | | | | | | | | |
| | 10-43 | Sandy Loam | CL | A-2 | 0 | 0 | 95-100 | 93-100 | 55-100 | 27-80 | 16-37 | 2-14 |
| | | Fine Sandy Loam | SC | A-4 | | | | | | | | |
| | | Clay Loam | | A-6 | | | | | | | | |
| | | Sandy Clay Loam | | | | | | | | | | |
| | 43-60 | Gravelly Sand | SC-SM | A-1 | 0 | 0 | 65-100 | 50-100 | 25-75 | 2-30 | 11-16 | NP-2 |
| | | Gravelly Loamy Sand | SM | A-2 | | | | | | | | |
| | | Loamy Sand | SP | A-3 | | | | | | | | |
| | | Sand | | | | | | | | | | |
| Aquults | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Goldsboro | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 39B: | | | | | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 39B: | | | | | | | | | | | | |
| Tatum | 0-8 | Silt Loam | ML | A-4 | 0 | 0 | 85-100 | 80-100 | 68-100 | 48-90 | 14-25 | NP-3 |
| | 8-36 | Loam | | | | | | | | | | |
| | | Clay Loam | ML | A-5 | 0 | 0 | 85-100 | 80-100 | 68-100 | 48-95 | 27-49 | 4-12 |
| | | Loam | | A-7 | | | | | | | | |
| | | Clay | | | | | | | | | | |
| | | Silty Clay | | | | | | | | | | |
| | | Silty Clay Loam | | | | | | | | | | |
| | 36-44 | Loam | ML | A-4 | 0 | 0 | 85-100 | 80-100 | 68-100 | 48-90 | 13-24 | NP-3 |
| | | Silt Loam | | | | | | | | | | |
| | 44-77 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Abell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Brockroad | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Catharpin | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 39C2: | | | | | | | | | | | | |
| Tatum | 0-8 | Loam | ML | A-4 | 0 | 0 | 85-100 | 80-100 | 68-100 | 48-90 | 14-25 | NP-3 |
| | | Silt Loam | | | | | | | | | | |
| | 8-36 | Loam | ML | A-5 | 0 | 0 | 85-100 | 80-100 | 68-100 | 48-95 | 27-49 | 4-12 |
| | | Silty Clay | | A-7 | | | | | | | | |
| | | Clay | | | | | | | | | | |
| | | Silty Clay Loam | | | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | 36-44 | Silt Loam | ML | A-4 | 0 | 0 | 85-100 | 80-100 | 68-100 | 48-90 | 13-24 | NP-3 |
| | | Loam | | | | | | | | | | |
| | 44-77 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Abell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Brockroad | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 39C2: | | | | | | | | | | | | |
| Catharpin | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Toddstav | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 39D2: | | | | | | | | | | | | |
| Tatum | 0-8 | Loam | ML | A-4 | 0 | 0 | 85-100 | 80-100 | 68-100 | 48-90 | 14-25 | NP-3 |
| | | Silt Loam | | | | | | | | | | |
| | 8-36 | Clay | ML | A-5 | 0 | 0 | 85-100 | 80-100 | 68-100 | 48-95 | 27-49 | 4-12 |
| | | Silty Clay | | A-7 | | | | | | | | |
| | | Silty Clay Loam | | | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 36-44 | Silt Loam | ML | A-4 | 0 | 0 | 85-100 | 80-100 | 68-100 | 48-90 | 13-24 | NP-3 |
| | | Loam | | | | | | | | | | |
| | 44-77 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Abell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| LaRoque | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Toddstav | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

40:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|----------------------------------------------------|----------------------------|------------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 40: Tetotum variant | 0-8 | Silt Loam Loam | CL-ML ML SC-SM | A-4 | 0 | 0 | 95-100 | 93-100 | 78-100 | 55-90 | 16-29 | 2-9 |
| | 8-42 | Sandy Loam Loam Silty Clay Loam Clay Loam | CL CL-ML SC SC-SM | A-4 A-6 | 0 | 0 | 95-100 | 93-100 | 55-100 | 28-95 | 23-38 | 6-14 |
| | 42-79 | Clay Loam Loam Sandy Loam Gravelly Sand | CL CL-ML SC SC-SM | A-4 | 0 | 0 | 65-100 | 50-100 | 25-100 | 2-95 | 9-43 | NP-17 |
| Wickham | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Aquults | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 41: Toccoa | 0-9 | Fine Sandy Loam Loam Loamy Sand | SM | A-2 | 0 | 0 | 98-100 | 95-100 | 48-95 | 14-75 | 9-18 | NP-3 |
| | 9-61 | Sandy Loam Loam Loamy Sand Sand | ML SM | A-2 A-4 | 0 | 0 | 95-100 | 90-100 | 45-95 | 4-75 | 9-24 | NP-6 |
| Abell | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Aquults | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Fluvaquents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Wickham | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|-----------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 41: | | | | | | | | | | | | |
| 42B: | | | | | | | | | | | | |
| Toddstav | 0-7 | Silt Loam | CL-ML | A-4 | 0 | 0 | 95-100 | 90-100 | 76-100 | 54-90 | 13-25 | NP-7 |
| | | Loam | ML | | | | | | | | | |
| | 7-55 | Loam | CL | A-4 | 0 | 0 | 95-100 | 90-100 | 63-100 | 36-95 | 23-38 | 6-14 |
| | | Silty Clay Loam | CL-ML | A-6 | | | | | | | | |
| | | Fine Sandy Loam | | | | | | | | | | |
| | | Clay Loam | | | | | | | | | | |
| | | Silt Loam | | | | | | | | | | |
| | 55-70 | Sandy Loam | CL | A-2 | 0 | 0 | 95-100 | 90-100 | 54-100 | 27-90 | 13-31 | NP-10 |
| | | Silt Loam | CL-ML | A-4 | | | | | | | | |
| | | Loam | ML | | | | | | | | | |
| | | | SC | | | | | | | | | |
| | | | SM | | | | | | | | | |
| LaRoque | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Margo | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 43B: | | | | | | | | | | | | |
| Turbeville | 0-12 | Silt Loam | CL-ML | A-4 | 0 | 0-30 | 85-100 | 80-100 | 48-100 | 24-90 | 20-30 | 4-10 |
| | | Sandy Loam | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 12-65 | Sandy Clay | CL | A-6 | 0 | 0-30 | 85-100 | 80-100 | 68-100 | 36-95 | 34-61 | 12-27 |
| | | Clay Loam | SC | A-7 | | | | | | | | |
| | | Clay | | | | | | | | | | |
| Appling | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 43B: | | | | | | | | | | | | |
| Cecil | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Masada | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 43C2: | | | | | | | | | | | | |
| Turbeville | 0-12 | Sandy Loam | CL-ML | A-4 | 0 | 0-30 | 85-100 | 80-100 | 48-100 | 24-90 | 20-30 | 4-10 |
| | | Silt Loam | | | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 12-65 | Sandy Clay | CL | A-6 | 0 | 0-30 | 85-100 | 80-100 | 68-100 | 36-95 | 34-61 | 12-27 |
| | | Clay Loam | SC | A-7 | | | | | | | | |
| | | Clay | | | | | | | | | | |
| Appling | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Cecil | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Masada | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 44: | | | | | | | | | | | | |
| Udorthents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 45B: | | | | | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 45B: | | | | | | | | | | | | |
| Udorthents | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Udifluvents | 0-10 | Very Gravelly Loamy Sand | CL | A-2 | 0 | 0 | 45-100 | 35-100 | 20-100 | 2-80 | 0-54 | NP-24 |
| | | Sandy Loam | CL-ML | A-4 | | | | | | | | |
| | | Clay Loam | ML | A-6 | | | | | | | | |
| | | | SM | | | | | | | | | |
| | 10-72 | Clay | CL | A-1 | 0 | 0 | 45-100 | 35-100 | 20-100 | 2-95 | 0-58 | NP-32 |
| | | Very Gravelly Sand | CL-ML | A-2-4 | | | | | | | | |
| | | Gravelly Sandy Loam | SC | A-4 | | | | | | | | |
| | | | SC-SM | A-6 | | | | | | | | |
| | | | SW-SM | A-7 | | | | | | | | |
| Goldsboro | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Aquults | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 46: | | | | | | | | | | | | |
| Urban land | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Udults | 0-11 | Clay | CL | A-2 | 0 | 0 | 45-100 | 35-100 | 20-100 | 10-95 | 20-56 | 4-32 |
| | | Very Gravelly Sandy Loam | SC | A-4 | | | | | | | | |
| | | Sandy Loam | SC-SM | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |
| | 11-57 | Clay | CH | A-2 | 0 | 0 | 45-100 | 35-100 | 20-100 | 10-95 | 24-55 | 9-32 |
| | | Very Gravelly Sandy Loam | CL | A-4 | | | | | | | | |
| | | Sandy Clay Loam | SC | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |
| | 57-62 | Clay | CH | A-1 | 0 | 0 | 45-100 | 35-100 | 20-100 | 2-95 | 0-53 | NP-32 |
| | | Very Gravelly Sand | CL | A-2 | | | | | | | | |
| | | Sandy Loam | SC | A-4 | | | | | | | | |
| | | | | A-6 | | | | | | | | |
| | | | | A-7 | | | | | | | | |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------------------|----------------|--------|---------------|----------------|------------------------------|-------|-------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 46: | | | | | | | | | | | | |
| 47E: | | | | | | | | | | | | |
| Watt | 0-7 | Loam | CL-ML | A-4 | 0 | 15-30 | 60-95 | 50-93 | 42-92 | 30-82 | 16-31 | 2-10 |
| | | Channery Silt Loam | ML | | | | | | | | | |
| | | Channery Loam | SC-SM | | | | | | | | | |
| | | Silt Loam | SM | | | | | | | | | |
| | 7-16 | Silt Loam | CL | A-4 | 0 | 15-30 | 60-95 | 50-93 | 45-92 | 35-82 | 23-43 | 6-17 |
| | | Channery Silt Loam | CL-ML | A-6 | | | | | | | | |
| | | Channery Silty Clay Loam | GC | | | | | | | | | |
| | | Silty Clay Loam | SC | | | | | | | | | |
| | | | SC-SM | | | | | | | | | |
| | 16-32 | Channery Loam | GC | A-2 | 0 | 23-55 | 50-85 | 35-75 | 30-75 | 21-68 | 12-31 | NP-10 |
| | | Channery Silt Loam | GC-GM | A-4 | | | | | | | | |
| | | Very Channery Silt Loam | GM | | | | | | | | | |
| | | Very Channery Loam | SC-SM | | | | | | | | | |
| | 32-36 | Bedrock | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Brockroad | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Catharpin | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| LaRoque | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Nason | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Tatum | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

48A:

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------------|----------------|--------|---------------|----------------|------------------------------|--------|--------|-------|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 48A: | | | | | | | | | | | | |
| Wickham | 0-10 | Fine Sandy Loam | CL-ML | A-4 | 0 | 0 | 90-100 | 85-100 | 42-95 | 13-75 | 11-20 | NP-4 |
| | | Sandy Loam | ML | | | | | | | | | |
| | | Loamy Sand | SC-SM | | | | | | | | | |
| | | Loam | SM | | | | | | | | | |
| | 10-46 | Sandy Clay Loam | CL | A-2 | 0 | 0 | 90-100 | 85-100 | 51-100 | 26-80 | 23-38 | 6-14 |
| | | Sandy Loam | CL-ML | A-4 | | | | | | | | |
| | | Clay Loam | SC | A-6 | | | | | | | | |
| | | Loam | | | | | | | | | | |
| | 46-67 | Sandy Loam | CL | A-4 | 0 | 0 | 50-100 | 35-100 | 18-95 | 2-75 | 9-34 | NP-12 |
| | | Loam | CL-ML | | | | | | | | | |
| | | Very Gravelly Sand | SC | | | | | | | | | |
| | | Sandy Clay Loam | SM | | | | | | | | | |
| Altavista | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| Aquults | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 48B: | | | | | | | | | | | | |
| Wickham | 0-10 | Fine Sandy Loam | CL-ML | A-4 | 0 | 0 | 90-100 | 85-100 | 42-95 | 13-75 | 11-20 | NP-4 |
| | | Loam | ML | | | | | | | | | |
| | | Loamy Sand | SC-SM | | | | | | | | | |
| | | Sandy Loam | SM | | | | | | | | | |
| | 10-46 | Clay Loam | CL | A-2 | 0 | 0 | 90-100 | 85-100 | 51-100 | 26-80 | 23-38 | 6-14 |
| | | Loam | CL-ML | A-4 | | | | | | | | |
| | | Sandy Clay Loam | SC | A-6 | | | | | | | | |
| | | Sandy Loam | | | | | | | | | | |
| | 46-67 | Very Gravelly Sand | CL | A-4 | 0 | 0 | 50-100 | 35-100 | 18-95 | 2-75 | 9-34 | NP-12 |
| | | Sandy Clay Loam | CL-ML | | | | | | | | | |
| | | Loam | SC | | | | | | | | | |
| | | Sandy Loam | SM | | | | | | | | | |
| Altavista | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |

Table H. - Engineering Index Properties - Continued

Spotsylvania County, Virginia

| Map Symbol and Soil Name | Depth | USDA Texture | Classification | | Fragments | | Percent Passing Sieve Number | | | | Liquid Limit | Plasticity Index |
|-----------------------------|-------|--------------|----------------|--------|---------------|----------------|------------------------------|-----|-----|-----|-----------------|---------------------|
| | | | Unified | AASHTO | >10 Inches | 3-10 Inches | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 48B: | | | | | | | | | | | | |
| Aquults | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| W: | | | | | | | | | | | | |
| Water | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |